

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/009099

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ F04C18/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ F04C18/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 11-62862 A (Matsushita Electric Industrial Co., Ltd.), 05 March, 1999 (05.03.99), Par. Nos. [0063] to [0067]; Fig. 3 (Family: none)	1, 3, 10 6-9
X Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 16899/1988 (Laid-open No. 124091/1989) (Toshiba Corp.), 23 August, 1989 (23.08.89), Description; page 7, line 7 to page 13 to line 15; Figs. 1 to 3 (Family: none)	1, 3, 10 6-9

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

-A- document defining the general state of the art which is not considered to be of particular relevance

-E- earlier application or patent but published on or after the international filing date

-L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

-O- document referring to an oral disclosure, use, exhibition or other means

-P- document published prior to the international filing date but later than the priority date claimed

-T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

-X- document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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-&- document member of the same patent family

Date of the actual completion of the international search

08 August, 2005 (08.08.05)

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Name and mailing address of the ISA/

Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 83422/1975 (Laid-open No. 163111/1976) (Hitachi, Ltd.), 25 December, 1976 (25.12.76), Description; page 1, line 18 to page 5, line 10; Figs. 1 to 3 (Family: none)	1,3-4,10 6-9
X Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 31020/1972 (Laid-open No. 107105/1973) (Mitsubishi Electric Corp.), 12 December, 1973 (12.12.73), Description; page 1, line 13 to page 7, line 8; Figs. 1 to 3 (Family: none)	1-2,10 6-9
X Y	JP 2002-543333 A (HWANG, Dong, il), 17 December, 2002 (17.12.02), Par. Nos. [0052] to [0072]; Figs. 6 to 7 & EP 1177383 A1 & US 6676392 B1	1,3,5,10 6-9
Y	JP 6-288358 A (TECUMSEH PRODUCTS CO.), 11 October, 1994 (11.10.94), Par. Nos. [0016] to [0032]; Figs. 1 to 9 & EP 510402 A2 & CA 2063888 C	6-9
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 188059/1983 (Laid-open No. 97394/1985) (Mitsubishi Heavy Industries, Ltd.), 03 July, 1985 (03.07.85), Description; page 1, line 16 to page 5, line 16; Figs. 1 to 4 (Family: none)	6-9
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 182995/1983 (Laid-open No. 90584/1985) (Mitsubishi Heavy Industries, Ltd.), 21 June, 1985 (21.06.85), Description; page 6, line 6 to page 7, line 4; Figs. 3 to 4 (Family: none)	6-9
Y	JP 2000-73974 A (Daikin Industries, Ltd.), 07 March, 2000 (07.03.00), Par. Nos. [0043] to [0044]; Fig. 3 (Family: none)	9